

FRONTLINE FALL PROTECTION INC. TEST REPORT

SCOPE OF WORK

ANSI Z359.1-2007 / Section 4.4: Fall Arrester Connecting Subsystem Qualification Testing

REPORT NUMBER

105874305CRT-006

ORIGINAL REPORT NUMBER

104026157CRT-001

ISSUE DATE

July 15, 2024

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TEST REPORT FOR FRONTLINE FALL PROTECTION INC.

Report No.: 105874305CRT-005

Date: July 15, 2024

FRONTLINE FALL PROTECTION INC.

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UNITED STATES

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Report Number..... : 105874305CRT-006

Signed Quote Number..... : Qu-01456258

PO Number. : NONE

Name of Testing Laboratory
Preparing the Report : Intertek Testing Services NA Inc.

Test Specification:

Standard..... : ANSI/ASSE Z359.1-2007

Date(s) of Testing..... : 07/22/2019

Product Description:

Product Type: : Fall Arrester W/ Rope

Brand Name: : Frontline Fall Protection

Model Number(s): : RGSS58

Date(s) Samples Received : 07/18/2019

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SECTION 1

SUMMARY OF TESTING

TESTS COMPLETED	ANSI/ASSE Z359.1-2007 CLAUSE	STATUS
Design Requirements	3	PASS
Dynamic Performance Test	4.4.1	PASS
Dynamic Strength Test	4.4.2	PASS
Tensile Strength Following 4.4.2	3.3.6.2	PASS
Markings and Instructions	5	PASS

SECTION 2

This test report concludes the work anticipated in the testing phase of your project. If there are any questions regarding this report, please contact the undersigned at 607-753-6711.

COMPLETED BY:	Alex Smith	REVIEWED BY:	Matthew Stevens
TITLE:	Technician	TITLE:	Team Leader
SIGNATURE:		SIGNATURE	
DATE	07/15/2024	DATE:	07/15/2024

Please see attached test data for details.

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SECTION 3

TESTING EQUIPMENT CALIBRATION INFORMATION

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
X	Drop Test Structure	Intertek	NA	CAT. 3	-	N/A	N/A
X	Test Weight	NA	15064	220 lbs	-	VBU	VBU
X	Test Weight	NA	N	300 lbs	-	VBU	VBU
X	Load Cell	PCB	N1392	-	-	6/17/19	6/17/20
-	Load Cell	PCB	L099	-	-	1/31/19	1/31/20

SECTION 4

SUPPLEMENTAL TEST DATA

Paragraph	Test Description	Results	Compliance
3	Design Requirements:		PASS
	1. Used only if attached to an anchor or anchorage with anchorage connector which complies with ANSI Z359.1.	YES	
	2. Max Arresting Force Under 1,800 lbs.?	YES	
	3. Fall Arrested Completely in not more than 42"?	YES	
	4. Angle at rest not more than 30° after drop?	N/A	
	5. Does product have ANSI Z359.1 markings?	YES	
	6. Connectors meet section 3.2.1?	YES	
	7. Locking system automatic?	YES	
	8. Direction for orientation of use?	YES	
	9. Incapable of creeping down lifeline during work operations?	YES	
	10. All parts show no signs of corrosion and remain functional after ASTM B117 48 hour salt fog spray?	YES	
4.4.1	Dynamic Performance Test: 1. Position fall arrester within 24-inches from the anchorage. 2. Use 220 lb weight. 3. Raise the weight to achieve maximum freefall distance that can be obtained by the system. Requirements per Section 3.3.6.1 (fig 26): AD < 54-inches MAF < 1,800 lbf	Sample #:1 Max. Distance = 6' MAF = 1078 lbf. Arrest Distance (AD): 22 ½ " Shall lock and remained locked until released: YES	PASS

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Paragraph	Test Description	Results	Compliance
4.4.2/3.3.6.2	<p><u>Dynamic Strength Test:</u></p> <ol style="list-style-type: none"> 1. Do not use EA on the Fall Arrester. 2. Attach FA 10-inches from anchorage. 3. Use 300 lb. test weight. 4. Use 3-foot test lanyard. 5. Raise test weight to create maximum freefall distance allowed by the device. 	<p>Sample #: 2</p> <p>Drop Height: 3'</p> <p>Breakage: NO</p> <p>Shall lock on the lifeline and remained locked: YES</p> <p>Lifeline shall remain a min. strength of 1,000 lbs. (Tensile strength on lifeline)</p>	<p>PASS</p>
<p>5</p> <p>5.1.1</p> <p>5.1.3</p> <p>5.2.6</p>	<p><u>Marking and Instructions- General Marking Requirements</u></p> <p>Markings shall be in English</p> <p>Equipment shall be marked with the following:</p> <ul style="list-style-type: none"> • Part number and model designation • Year of manufacture • Manufacture name or logo • Capacity rating • Standard number "Z359.1" • Warning to follow the manufacturer's instructions included with equipment. <p>In addition to section 5.1 fall arrestors should be marked with the following information:</p> <ul style="list-style-type: none"> • Direction of use • Warnings against use with incompatible lifelines • The proper size and type of vertical lifeline with which the fall arrestor is intended to be used. 	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>PASS</p>

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SECTION 5

REVISION HISTORY

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
104026157CRT-001	07/24/2019	Original Report	Matthew Stevens	Andrew Rulison
105874305CRT-006	07/15/2024	Report Extension	Alex Smith	Matthew Stevens